

ABSTRACT OF THE DISCLOSURE

A coolant system for a machining center includes a cutting tool selectively engageable with a work-piece and includes a pump for supplying a flow of coolant to the cutting tool, a motor drivingly engaging the pump, a pressure transducer measuring the pressure of the coolant being supplied to the cutting tool and a controller in communication with the pressure transducer and the motor. The controller compares the pressure measured to a predetermined target pressure and varies the speed of the motor to minimize deviation of the measured pressure from the target pressure.